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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Yellowstone
NATIONAL PARK

file

FILE NO.

MONTHLY REPORT

December, 1938

IMPORTANT

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ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE: 1933 6—7410

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

FICE OF THE SUPERINTENDENT

January 6, 1939

Memorandum for the Director:

The following is the report of activities in Yellowstone National Park during the month of December, 1938:

000 - General

The month of December was the warmest December since 1933, it being $3\frac{1}{2}^{\circ}$ above normal. Only five Decembers in 35 of record have been warmer. Considerable cloudiness prevailed with only 41 per cent of sunshine. This was normal and follows the usual rule of quite cloudy winters and sunny summers. The precipitation for the month, 0.68 inch, was slightly under normal and the snowfall was 8.9 inches, compared to the 35-year average of 13.3 inches snowfall in December. At the end of the month 1.8 inches of snow remained on the ground. Three days during the month had a minimum temperature below zero, on the twelfth and twenty-sixth, when -8° was recorded and on the twenty-fifth when -4° was recorded. The minimum temperature on December 11 and 13 was zero. It will be noted that two of the below zero days included December 25-26, the double holiday. Christmas day also had the greatest precipitation and amount of snowfall of any day in the month; also the extreme wind velocity for a 5-minute period occurred on the twenty-fifth. Five days during the month were clear, 9 partly cloudy and 17 cloudy with measurable precipitation occurring on 14 days.

Because the snowplows had been used to open the roads to Canyon and Lake in November it was still possible to get to the Lake by car as late as December 25 although the roads to Old Faithful and West Yellowstone were closed considerably earlier. The last park crews were brought in from West Thumb on December 5 which included the well diggers who were digging a well in that area for the Park Service water supply.

Through the use of the Montana and Idaho snowplows the roads from Bozeman to West Yellowstone and from West Yellowstone to Ashton were kept open throughout the month although travel from West Yellowstone to Ashton was difficult at times. Through special provision in the Interior Department appropriation bill, funds were available for keeping open the Gardiner-Cooke road and this road was kept free of snow throughout the month so that it was possible for Cooke residents to get in and out from their homes and to receive their mail regularly.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

There were no serious accidents during the month but two minor accidents occurred due to slippery roads, one on December 21 when a truck driven by CCC Enrollee Conrad Hopp ran off the road in the Gardiner Canyon between Mammoth and Gardiner, injuring the driver slightly but damaging the truck extensively, and one on December 30 on the Gardiner-Cooke road when a truck driven by a CCC enrollee collided with a car driven by Buffalo Herder Dave Pierson, resulting in considerable damage to Mr. Pierson's car but little damage to the truck. None of the occupants of the car or truck were injured.

No work was undertaken by any of the operators in the park and no road construction work was under way. One Bureau of Public Roads crew carried on work in connection with a tunnel on the road about five miles west of Tower Falls toward Mammoth. The crews of the National Park Service were operating at a minimum although the CCC and ERA crews were able to carry on their work around Mammoth without interruption.

Considerable interest was shown in the activities arranged for the Holiday Season in the park and those who remained here for Christmas and New Years were provided with various types of entertainment. All residents were urged to decorate their homes and prizes were offered for the best decorated premises, the results exceeding any previous year's. Committees were appointed to handle the various activities and each committee responded to make its part of the program a success. A Christmas scene with a band of grazing sheep and three shepherds, cut from beaverboard, was placed across from the Weather Bureau. A huge cut-out angel and a shining star were mounted in a tree above them while a spotlight played on the scene nightly. A huge seal of the Department of the Interior was prepared and placed on the Administration building while Capitol Hill was the scene of a children's coasting party with life-like dummies used to carry out the effect. A sleigh drawn by two deer was placed in the center of the group. A spotlight lit up this feature each night and was the cause of much favorable comment. Mrs. Enid Wilcox, wife of the U. S. Commissioner, was the general chairman for the occasion and was responsible for getting the figures prepared and presented.

The series of activities started on the evening ofDecember 16 when the children of the Mammoth school put on a Christmas program in the Canteen building. Christmas Eve, December 24, another Christmas program was put on in the canteen in which 30 CCC enrollees presented a candlelight chorus singing Christmas songs. A local orchestra played and Santa Claus made his appearance and distributed gifts to more than 90 children of the community. Following this program carol singers went about the community serenading the various homes. Despite the fact that a terrible blizzard was raging the carollers carried out their end of the arranged program.

On Sunday night Rev. Lewis D. Smith, Episcopalean minister from Livingston conducted services in the Chapel. Special Christmas music was provided by members of the community. Following the services a general get-together was held in the Canteen and the occasion resulted in the singing of festive songs. On Wednesday evening, December 28,

There were no serious accidents during the month but two minor accidents occurred due to slippery roads, one on December 21 when a truck driven by DCC Marcelino Corral Bopp ran off the road in the Gordons Canyon between Klamath and Fortuna, injuring the driver slightly but damaging the truck extensively, and one on December 30 on the Gardiner-Cooke road when a truck driven by a DCC enrollee collided with a car driven by Buffalo Reader Dave Hansen, resulting in considerable damage to Mr. Hansen's car but little damage to the truck. None of the occupants of the car or truck were injured.

No work was undertaken by any of the operators in the park and no road construction work was under way. The forest of Pacific Lands was carried on work in connection with a tunnel on the road about five miles west of Lower Falls toward Klamath. The crews of the National Park Service were operating at a minimum although the CCC and ECW crews were able to carry on their work around Klamath without interruption.

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On Monday night Rev. Leslie O. Smith, Episcopalian minister from Klamath, conducted services in the chapel. Special Christmas music was provided by members of the community. Following the services a general get-together was held in the Gardner and the occasion resulted in the singing of festive songs. On Tuesday evening, December 25,

the local Federal Employees Union sponsored a dance in the Canteen which was well attended and which proved to be a decided success.

On Monday, January 2, the annual Mummers' Day Parade, which was started three years ago, was held and there were a number of grotesque milti-colored costumes. Following the Mummers' Day Parade the Fryer Store held "open-house" for all members of the community after which a Mummers' Day dinner was held in the Government messhouse at which more than a hundred were fed. An interesting program of short talks, community singing and the awarding of prizes for the best decorated residences and costumes for the Mummers' Parade was held in connection with the dinner. United States Commissioner T. Paul Wilcox acted as toastmaster. First prize for the best decorated residence went to Mr. Howard of the Weather Bureau while the William Wright home was awarded the second prize. Among the mummers first prize for the most fanciful and decorative head went to Mrs. Curtis Skinner and Eugene Young. Second prize went to Kathleen Evans and Lloyd Seasholtz. The festive season ended with an impromptu dance in the Canteen Monday evening. A program of events is attached.

The new fire truck purchased from the General Fire Truck Corporation at a cost of $6,421 for use at Mammoth arrived on December 1 and tests were held the following day. However, the truck failed to meet all of the specifications and acceptance thereof has been delayed.

Yellowstone Park residents contributed generously during the Red Cross drive and $139 was collected and turned over to the Livingston-Montana Chapter.

United States Commissioner T. Paul Wilcox was selected as the speaker on the Park's Americanism program which was a part of the general Americanism program being carried on throughout the country. Judge Wilcox spoke before the school children on December 13 and the same evening addressed the Gardiner Commercial Club at Gardiner. On December 21 he spoke to the boys in the two Mammoth CCC camps. The Judge's talks were very timely and well prepared and were very well received by his audiences.

One of the early Yellowstone visitors, Mrs. Anna J. Cowan, a Montana pioneer, died at her home at Spokane, Washington on December 20 at the age of 85. As a bride Mrs. Cowan was a member of the first tourist party to visit the park. She was captured by hostile Nez Perce Indians here during Chief Joseph's retreat across the park in 1877. She was the widow of George T. Cowan, pioneer Montana attorney, who died in Spokane twelve years ago. The Cowans were married in Helena in 1877 and came to the Yellowstone on their honeymoon. Mrs. Cowan was kidnapped by the Indians after they had attacked the party and left her husband for dead. Mrs. Cowan was the author of several books on Indians and the Northwest.

the Iowa Federal Employees Union sponsored a dance in the Gardner with one well attended and which leaved so in a Gardner manner.

On Monday, January 5, the annual Secretary Day dinner, which was another three page affa held and there was a quiz of previous Bill-related questions. Following the dinner Jay Rogers the Iowa Fed Foodshower for all members of the Accounting Office with a Secretary Day dinner was held in the Gardner Cafeteria on which date also a Bowling was had. In interesting program of about twelve, some nearly eighty and the awarding of prizes for the best decorated Christmas doors and offices for the Secretary Awards was held in conjunction with the dinner. United during Coordinator T. Paul Filson acted as toastmaster. First prize for the best decorated residence went to Mr. Howard of the Tariff Bureau while the Billing Tariff Bureau was awarded the second prize. Among the members first prize for the best decorated door was won by Mrs. Dorothy Gibbons and Lloyd Campbell. The Tariff Bureau acted with an impromptu dance in the Gardner Dining Room, program of awards is attached.

The new film strip produced from the Internal Film Strip Committee at a cost of $4,[illegible] is nearing completed at Washington I and copies were held in following day. However, the Grand Jubilee to meet all of the specifications and requirements desired was then delayed.

Talks about Jack Swallows motivational presentation during the 1st Qtrs during 1963 was initiated and started prior to the Christmas Gardner Dinner.

United Trucks Coordinator T. Paul Filson was selected as the speaker at the Tariff Bureaucratic program which was a part of the general Accountable program being carried on throughout the country. Jay Rogers spoke before the Annual Gardner on January 17 and the Accounting addressed the Quality Control Club on Tariffs. Mr. Rogers is to speak to this group in the 1st Qtr of 1964. The Jaycees Bill was very timely and well prepared and was very well received by his audience.

One of the early Tallmadges visitors, Mrs. Cora G. Dawes, a Gardner pioneer, died at her home on January, [illegible] on Saturday at the age of 95. In a brief note, Dawes was a member of the first Gardner jury panel to visit the jail. She was escorted by Sheriff the Tarse Indians from Hardin Chief Chanpiste related across the plain in 1877. She was the widow of Gardner T. Dawes pioneer Gardner attorney, who died in Spokane twelve years ago. The Dawes were married in Indiana in 1877 and came to the Tallmadges on their honeymoon. Mrs. Dawes was interrupted by the Indians after they had attacked the party and left her behind for dead. Mrs. Dawes was the author of several books on Indians and the northwest.

Costumes at the Mummers' Parade

Costumes at the Mummers' Parade

Costumes at the Mummers' Parade

Figures used in Christmas Decorations on Capitol Hill

Superintendent Rogers and Chief Ranger LaNoue both lost their mothers during the month, Mrs. M. G. L. Rogers in Denver on December 1[illegible] at the age of 88 while Georganna LaNoue, mother of Chief Ranger LaNoue, died in Greybull, Wyoming on December 9. Mr. Rogers reached Denver from Washington on the same day that his mother passed away. Mr. LaNoue departed for Greybull from the park on December 10 to be in attendance for the funeral services. On December 13 the mother of Frances Cassill, wife of Park Ranger Walter Cassill, died in Pueblo, Colorado.

020 - General Weather Conditions

A summary of the general weather conditions as recorded by the official U. S. Weather Bureau station at Mammoth will be found at the back of this report.

021 - In the Park

Although stormy and cloudy weather prevailed throughout the park during the greater part of December the total precipitation for the month was slightly below normal.

Snow depths taken throughout the park at the close of the month are listed below:

Snake River	41"	Lewis River Divide	64"
Cascade Creek	59"	Yellowbell Creek	53"
Bechler	37"	Boundary Creek	37"
Buffalo Lake	54"	South Riverside	55"
West Entrance	19"	Gallatin	14"
Madison Jct.	12"	Old Faithful	24"
Sportsman Lake	36"	Slough Creek	13"
Tower Falls	7"	Mammoth	1.8"

The road from Mammoth to Lake, which was plowed out during the first few days of the month, remained passable to automobiles equipped with tire chains until about December 25, when it became blocked to all travel. Snowplow equipment was used on the Mammoth-Cooke City road so that general automobile travel was maintained between these points throughout the month, except for short periods when the upper portion of the road became blocked by snow and wind. This road was icy and dangerous in places and tire chains and careful driving were necessary.

022 - Approaches to the Park

The south and northeast entrance approach roads remained closed during December. Due to construction work, the east entrance approach road remained open from Cody, Wyoming to within a few miles of the east entrance. Approach roads from Bozeman, Montana and from Ashton, Idaho were maintained to the west entrance with state snowplow equipment, but travel was not possible into the park through the west entrance because of snow. The north entrance approach road to Livingston, Montana remained in good condition for travel, except during very brief storm periods.

Superintendent Rogers and Chief Ranger Lakes both lost their mothers during the month, Mrs. H. C. D. Rogers in Denver on December 19 at the age of 83 while Georgianna LaRoue, mother of Chief Ranger Lakes, died in Greybull, Wyoming on December 9. Mr. Rogers reached Denver from Washington on the same day that his mother passed away. Mr. Lakes departed for Greybull from the park on December 10 to be in attendance for the funeral services. On December 13 the mother of Frances Gemmill, wife of Park Ranger Walter Gemmill, died in Pueblo, Colorado.

020 - General Weather Conditions

A summary of the general weather conditions as recorded by the official U. S. Weather Bureau station at Kenneth will be found at the back of this report.

021 - In the Park

Although stormy and cloudy weather prevailed throughout the park during the greater part of December the total precipitation for the month was slightly below normal.

Snow depths taken throughout the park at the close of the month are listed below:

Snake River	41"	Lewis River Divide	44"
Cascade Creek	35"	Marshall Creek	33"
Keckler	37"	Boundary Creek	37"
Buffalo Lake	34"	South Riverside	37"
West Entrance	19"	Gallatin	14"
Madison Jct.	12"	Old Faithful	24"
Sportsman Lake	36"	Slough Creek	13"
Tower Falls	7"	Kenneth	1.0"

The road from Kenneth to Lake, which was planed out during the first few days of the month, remained passable to automobiles equipped with fire chains until about December 25, when it became blocked to all travel. Snowplow equipment was used on the Kenneth-Cooke City road so that general automobile travel was maintained between these points throughout the month, except for short periods when the upper portion of the road became blocked by snow and wind. This road was lay and dangerous in places and fire chains and careful driving were necessary.

022 - Approaches to the Park

The south and northeast entrance approach roads remained closed during December. Due to construction work, the east entrance approach road remained open from Cody, Wyoming to within a few miles of the east entrance. Approach roads from Bozeman, Montana and from Ashton, Idaho were maintained to the west entrance with state snowplow equipment, but travel was not possible into the park through the west entrance because of snow. The north entrance approach road to Livingston, Montana remained in good condition for travel, except during very brief storm periods.

023 - In Nearby States

Togwotee Pass, the high divide crossing of the Moran-Dubois road, remained blocked to automobile travel. Other roads in the Jackson Hole area, including the Teton Pass road from Wyoming into Idaho, and the Hoback Canyon road from Moran southward were maintained by the state snowplow equipment and the roads were in fair condition for winter travel, except for brief storm periods. On Teton Pass snow depths of more than four feet were encountered but no particular difficulty was experienced in maintaining this road with modern state snowplow equipment. It was possible to negotiate this road most of the month without chains. Other roads in the states surrounding the park remained in good condition except in the higher mountain sections where snow and icy conditions at times necessitated slow travel and careful driving.

100 - Administration

110 - Status of Work

As is usual during the month of December many of the employees took advantage of the holidays to make trips away from the park and to use up some of their leave. The three days holidays for Christmas and New Years also accounted for many employees taking additional leave and the work was naturally somewhat delayed. However, despite the shortage of personnel it was possible to keep most of the work current.

Superintendent Rogers was in Washington on a special assignment until December 17 when he departed on leave for Denver reaching there on the 19th. He left Denver on the 31st expecting to reach Washington on January 2. A conference of park superintendents is to be held in Washington from January 5 to 10 and Mr. Rogers expected to remain in Washington until about the middle of March.

Glenn F. Muchow received an appointment as Assistant Clerk-Stenographer, Public Works, Grade 7, $1620 per annum, effective December 1.

Assistant Superintendent Emmert returned to the park on December 6 from Denver where he attended a meeting of the Missouri River Drainage Basin Committee. During his absence from the park Assistant to the Superintendent Joffe was acting. Mr. Emmert was acting superintendent during the remainder of the month.

Aubrey L. Haines, selected as a park ranger from the Civil Service register entered on duty December 8.

Assistant Chief Ranger Albert Elliott and District Park Ranger John Jay departed for extended leaves on December 10. Mr. Elliott expects to return on January 16 and Mr. Jay on January 7.

Chief Ranger LaNoue was on leave from December 10 to 29, inclusive.

[illegible] - In Nearby States

Bagwotse Pass, the high divide crossing of the Perm-Dubois road, remained blocked to automobile travel. Other roads in the Jackson Hole area, including the Teton Pass road from Wyoming into Idaho, and the Hoback Canyon road from Horse southward were maintained by the state snowplow equipment and the roads were in fair condition for winter travel, except for brief storm periods. On Teton Pass snow depths of more than four feet were encountered but no particular difficulty was experienced in maintaining this road with modern state snowplow equipment. It was possible to negotiate this road most of the month without chains. Other roads in the states surrounding the park remained in good condition except in the higher mountain sections where snow and icy conditions at times necessitated slow travel and careful driving.

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Clemm D. Mashow received an appointment as Assistant Chart-Stenographer, Public Works, Grade 7, $1400 per annum, effective December 1.

Assistant Superintendent Hewart returned to the park on December 6 from Denver where he attended a meeting of the Missouri River Drainage Basin Committee. During his absence from the park Assistant to the Superintendent Joffe was acting. Mr. Hewart was acting superintendent during the remainder of the month.

Sidney L. Holmes, selected as a park ranger from the Civil Service register entered on duty December 8.

Assistant Chief Ranger Albert Elliott and District Park Ranger John Jay departed for extended leaves on December 12. Mr. Elliott expects to return on January 16 and Mr. Jay on January 7.

Chief Ranger Lakes was on leave from December 10 to 25, inclusive.

On December 16 the park received the appointment papers for Fred J. Bertagnolli, Grade 8, $1800 per annum. Mr. Bertagnolli expected to enter on duty January 4.

Clerks Annie Marie Dudley and Loustalet J. Quinn departed on December 17 on leave, expecting to be gone until January 9.

Mildred Christenot, telephone operator, started on leave December 20, expecting to be gone until January 10.

On December 22 the park received an appointment for Hugh Ebert, now employed as a truck driver, as a park ranger, Grade 8, $1860 per annum. Mr. Ebert will enter on duty under his new appointment January 1.

Clerk Virginia Goettlich was on leave of absence from December 23 to the end of the month.

On December 27 the park received a permanent appointment as plumber for Wyman P. Benson, Grade 8, $1860 per annum. Mr. Benson has been employed as a per-diem plumber since May of this year. He will enter on duty under his new appointment on January 1.

On December 5 the park received copies of notices of examinations announced by the Thirteenth Civil Service District in Denver for the positions of lineman's helper; truck driver, heavy duty; operator, power blade grader; packer; electrician; electricians' helper; carpenter; foreman, road construction and maintenance; plumber; fireman (steam); lineman; meat cutter; and foreman, park construction and maintenance, the closing date for the filing of applications for which was December 30.

Through Presidential order Saturday, December 24, and Saturday, December 31, were granted as full-day holidays. Christmas and New Years days both falling on Sundays the Mondays following were declared full day holidays thus giving three days holidays at Christmas and the same at New Years.

120 - Inspections by:

121 - Acting Superintendent

As Superintendent Rogers was away from the park during the entire month Assistant Superintendent Emmert was Acting except during the period from December 1 to 6 when he was on a trip to Denver and during which period Assistant to the Superintendent Joffe was Acting. Acting Superintendent made the usual inspection trips around headquarters and into and outside the park as follows:

December 9 - To Buffalo Ranch and return with Associate Electrical Engineer Clark J. Wells.

December 13 - Attended Gardiner Commercial Club meeting in Gardiner at which meeting were also present Messrs. Joffe, Wilcox, Seasholtz, Robinson, Bauer and Wohlbrandt.

On December 16 the park received the appointment papers for Fred J. Bertagnolli, Grade 9, $1800 per annum. Mr. Bertagnolli reported to enter on duty January 4.

Glenda Annie Marie Dudley and Lowstelet J. Chinn departed on December 17 on leave, expecting to be gone until January 9.

Mildred Christensen, telephone operator, started on leave December 20, expecting to be gone until January 10.

On December 22 the park received an appointment for Mark Short, now employed as a truck driver, as a park ranger, Grade 9, $1800 per annum. Mr. Short will enter on duty under his new appointment January 1.

Clerk Virginia Coettlich was on leave of absence from December 23 to the end of the month.

On December 27 the park received a permanent appointment as plumber for Tyner W. Benson, Grade 6, $1860 per annum. Mr. Benson has been employed as a per-diem plumber since May of this year. He will enter on duty under his new appointment on January 1.

On December 5 the park received copies of notices of examinations announced by the Thirteenth Civil Service District in Denver for the positions of lineman's helper; truck driver, heavy duty; operator, power blade grader; packer; electrician; electricians' helper; carpenter; foreman, road construction and maintenance; plumber; fireman (steam); lineman; meat cutter; and foreman, park construction and maintenance, the closing date for the filing of applications for which was December 30.

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120 - Inspections by:

121 - Acting Superintendent

As Superintendent Smith was away from the park during the entire month Assistant Superintendent Emmert was acting almost during the period from December 1 to 6 when he was on a trip to Denver and during which period Assistant to the Superintendent Joffe was acting. Acting Superintendent made the usual inspection trips around headquarters and into and outside the park as follows:

December 9 - To Buffalo Ranch and return with Associate Electrical Engineer Clark J. Nellis.

December 13 - Attended Gardiner Commercial Club meeting in Gardiner at which meeting were also present Messrs. Joffe, Wilson, Bertagnolli, Robinson, Bauer and Hubbleton.

December 27 - Looked over northern boundary line with Messrs. Joffe, Barrows and Skinner.

122 - Special Field Representatives of the National Park Service

There were no special field representatives from the field visiting the park during the month.

123 - National Park Service Officers

Clark J. Wells, Associate Electrical Engineer, Washington, who arrived in the park in October, departed via the north gate December 16.

124 - Other Interior Department Officials

There were no other Interior Department officers visiting the park during the month.

125 - Other Governmental Officers

There were no other Governmental officers visiting the park during the month.

140- Labor Situation

With practically all activities of the operators and contractors having ceased for the season and the Park Service crews being cut to a minimum there was little opportunity for employment for those residing in the vicinity of the park. The ERA and CCC were the only organizations operating to near full strength. The cutting down of winter operations this year has been reflected in Gardiner as many residents of that community are dependent on the park for employment. For the first time in a number of years there are quite a few vacant houses and rooms to be found in that community.

150 - Equipment and Supplies

There were eight carloads of coal, one carload each of fuel oil, gasoline and fire truck, and four carloads of lumber received in addition to other shipments of plumbing supplies, stove pipe and fittings, lubricating oil, tires and tubes, hardware, prestone, wrapping paper, forms and stationery, groceries, chlorine and glass weighing 46,520 lbs.

The value of storehouse issues during the month of December amounted to $7,250.25. The only mess in operation during the month was the Mammoth mess.

160 - Status of Alienated Lands

There was no change in the status of alienated lands during the month.

December 27 - Looked over northern boundary line with Messrs. Jolly, Barrows and Skinner.

132 - Special Field Representatives of the National Park Service

There were no special field representatives from the field visiting the park during the month.

133 - National Park Service Officers

Clark J. Wells, Associate Electrical Engineer, Washington, who arrived in the park in October, departed via the north gate December 16.

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140- Labor Situation

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160 - Status of Alienated Lands

There was no change in the status of alienated lands during the month.

170 - Plans, Maps and Surveys

Combined winter weather conditions and a reduction in the Engineering personnel made it necessary to terminate practically of field work other than supervision of the PWA construction at Lake and West Thumb about the middle of the month. Topographic data obtained for the Lake-Fishing Bridge and West Thumb areas was plotted in the office and plans for the West Thumb water and sewer systems about 70% completed.

Engineering on CCC projects was confined to work on the Mammoth campground and staking for the installation of sanitary service in the Mammoth cottage area.

180 - Circulars, Placards, Publicity Bulletins, Etc.

Circulars Nos. 25 and 26 were issued during the month and copies are attached.

The November-December issue of Nature Notes was completed early in the month and was placed in the mail on December 9. The Nature Notes were sent to a mailing list of some 900 names and there was enclosed a questionnaire for use in bringing the mailing list up-to-date.

Several press items were released and on December 3 a number of park pictures were furnished the Director for possible use by the New York Times.

A sketch guide map for the use of winter visitors was prepared by Park Ranger Yetter and is being distributed to all winter visitors and to commercial clubs and chambers of commerce in the immediate vicinity of the park. A copy is attached.

200 - Maintenance, Improvements and New Construction

210 - Road Maintenance

The general foreman and a varying crew of two to four men were sufficient to handle all general maintenance, principally on the roads and streets in the vicinity of the headquarters area. The work consisted of the removal of small rock slides in the Gardiner Canyon, resetting of some snow fence and snow stakes on the northeast entrance road, and sanding the icy north entrance road. The snowplow cleared the road to Cooke three times during the month.

220 - Improvements

Shops - In addition to the usual maintenance of equipment carried on, there were five trucks overhauled and stored for the winter. Two motor patrol graders were also overhauled during the month.

Electrical Department - The usual maintenance and repairs were carried on during the month.

170 - Plans, Maps and Surveys

Combined winter weather conditions and a reduction in the Engineering personnel made it necessary to terminate practically of field work other than supervision of the PTA construction at Lake and West Thumb about the middle of the month. Topographic data obtained for the Lake-Flaking Bridge and West Thumb areas was plotted in the office and plans for the West Thumb water and sewer systems about 70% completed.

Engineering on [illegible] projects was confined to work on the Mammoth campground and staking for the installation of sanitary service in the Mammoth cottage area.

180 - Circulars, Placards, Publicity Bulletins, Etc.

Circulars Nos. 85 and 86 were issued during the month and copies are attached.

The November-December issue of Nature Notes was completed early in the month and was placed in the mail on December 9. The Nature Notes were sent to a mailing list of some 900 names and there was enclosed a questionnaire for use in bringing the mailing list up-to-date.

Several press items were released and on December 3 a number of park pictures were furnished the Director for possible use by the New York Times.

A sketch guide map for the use of winter visitors was prepared by Park Ranger Vetter and is being distributed to all winter visitors and to commercial clubs and members of commerce in the immediate vicinity of the park. A copy is attached.

200 - Maintenance, Improvements and New Construction

210 - Road Maintenance

The general foreman and a varying crew of two to four men were sufficient to handle all general maintenance, principally on the roads and streets in the vicinity of the headquarters area. The work consisted of the removal of small rock slides in the Gardiner Canyon, recutting of some snow fence and more stakes on the northeast entrance road, and sanding the icy north entrance road. The snowplow cleared the road to Cooke three times during the month.

220 - Improvements

Shops - In addition to the usual maintenance of equipment carried on, there were five trucks overhauled and stored for the winter. Two water patrol graders were also overhauled during the month.

Electrical Department - The usual maintenance and repairs were carried on during the month.

Carpenter Shop - Work in this department consisted of the building of two buffalo crates, two elk crates and two bear cages, cutting out three fire lookout stations ready to set up in addition to minor repairs.

Paint Shop - Work in this department consisted of laying linoleum, repasting linoleum, mixing paint, replacing glass in several of the buildings, and painting of several signs.

Plumbing Department - In addition to the usual maintenance and operation during the month work in this department consisted of the excavation and installation of 125 ft. of 6-inch sewer at Mammoth to drain water regulating valve manhole, laying of 50 ft. of 6-inch tile for drain of new boiler room in barracks building, and installation of new steam regulating valves, pressure regulating valves, heating stoves, plumbing fixtures, etc. in several of the government buildings.

230 - New Construction

Work in connection with the ERA program consisted of the continuation of the rustic sign work, with approximately 100 signs completed, reconstruction of the basement in the north end of the barracks building nearly completed and ready for the installation of the new heating plant, start of the renovation of basements of buildings Nos. 1, 2 and 3, and completion of work on the Mammoth Terrace Trail closed down during the summer season because of conflict with traffic.

Project O.P. 266 - Actual construction work closed down on December 7 because of unfavorable weather conditions. At that time the 50,000 gallon water reservoir at West Thumb had been completed and much of the necessary material for early spring work had been hauled to the area. Bids for electric generating plants for West Thumb, Lake and Old Faithful were awarded during the month at a cost of approximately $38,500. Designs for both the water and sewer systems at West Thumb were well under way.

Project O.P. 267 - Deep snow at the sites of the various proposed fire lookouts made it impossible to carry on any work in the field but work was well under way at the headquarters shops on the pre-fabrication of two of the proposed structures.

Contract Construction - McNutt Brothers maintained a large construction crew on the East Entrance approach road until well into the month concentrating on work between Pahaska and the East Gate. A small crew is still at work on rock cuts on the line about six miles east of the park boundary.

Bids were opened at Denver on December 2 for constructing and improving Project 4-A-2 Bituminous Surfacing South Entrance Highway, 10.214 miles. Olof Nelson of Logan, Utah was the low bidder with a

Campsite Plan - Work in this department consisted of the initiation of two suitable areas, one at Grassy and the other at Lake Ontario, with fire protection facilities being made to act as a guide in addition to other requirements.

Park Plan - Work in this department consisted of locating trailers, repairing trailers, taking water, installing plans in several of the buildings, and painting of several signs.

Maintenance Department - In addition to the usual maintenance and operating duties the total work in this department consisted of the construction and installation of 135 ft. of 6-inch water mains in Grassy, 1 - 6-inch fire hydrant, 1 - 6-inch gate valve, 1 - 6-inch tee, 1 - 6-inch elbow, 1 - 6-inch cap, 1 - 6-inch reducer, 1 - 6-inch x 4-inch reducer, 1 - 4-inch x 2-inch reducer, 1 - 4-inch x 2-inch tee, 1 - 4-inch x 2-inch elbow, 1 - 4-inch x 2-inch cap, 1 - 4-inch x 2-inch reducer, 1 - 2-inch x 1-inch reducer, 1 - 2-inch x 1-inch tee, 1 - 2-inch x 1-inch elbow, 1 - 2-inch x 1-inch cap, 1 - 2-inch x 1-inch reducer, 1 - 2-inch x 1-inch nipple, 1 - 2-inch x 1-inch coupling, 1 - 2-inch x 1-inch bushing, 1 - 2-inch x 1-inch union, 1 - 2-inch x 1-inch gate valve, 1 - 2-inch x 1-inch water meter, 1 - 2-inch x 1-inch water meter, 1 - 2-inch x 1-inch water meter

bid of $164,176.76.

On December 5 the park received notice of bids to be opened in Denver on December 19 for constructing and improving Project 1-D-2, E-2, Pt. C-2 Bituminous Surfacing 17.039 miles.

On December 6 bids were opened in Denver for constructing and improving Project 1-H3 Grading, Bridge and Bituminous Surfacing Gardiner River Bridge .926 miles. Guy H. James, Tulsa, Oklahoma, was the low bidder with a bid of $243,086.40. Mr. James visited the park on December 29 to look over the situation and to get acquainted with the park's officers and personnel.

On December 19 bids were opened in Denver for constructing and improving Project 1-D-2, E-2, Pt. C-2 Bituminous Surfacing 17.039 miles. McLaughlin and Nelson of Great Falls, Montana was the low bidder with a bid of $362,154.00.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

The general store at Mammoth was kept open throughout the month and provided excellent service for local residents.

Word was received in the park on December 28 from Washington that the medical contract of Dr. G. A. Windsor had been extended for another year and until such time as a new contract could be prepared.

Dr. Windsor was taken seriously ill on December 7 and was operated on twice for adhesions in his own hospital. It was decided best to move him from Livingston and on December 24 he was taken by train and automobile to the Mayo Clinic at Rochester, Minnesota. Dr. Windsor stood the trip very well and by last reports was making satisfactory progress. An airplane engaged to fly him from Livingston to Rochester crashed on landing at the Livingston field on the night of December 24 and was put out of service necessitating the trip being made by train and automobile.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Intensive boundary patrols along those sections where hunting was carried on in areas adjacent to the park, interior patrols for game observations and protection, checking of travel at the north and northeast entrances, patrolling of roads, preparation for elk and buffalo trapping operations and the various studies and reports comprised the principal ranger activities during December.

420 - Museum Service

The duties in the Naturalist Department during the month of December consisted of preparation of reports, handling of routine correspondence and other routine duties, filing of newspaper clippings, research on Place Names, and several field trips to study mountain sheep and trumpeter swan.

470 - Animals

Bighorns - These animals were observed on their usual winter range during the month and particularly good shows were observed in the Gardiner Canyon by winter visitors. Observation of bighorns were also made in the vicinity of the Hoodoos, Junction Butte and outside the north boundary of the park near Bear Creek. The rutting season was in full progress and rams were often seen fighting.

On December 22 there were 78 bighorns counted in the Mount Everts area, 67 of which were classified as follows: Rams - 19, ewes - 30, lambs - 18. Earlier in the month 86 bighorns were counted in this same area, including 14 rams, 48 ewes, and 24 lambs. It is interesting to compare the percentage of lambs as indicated by these two counts made by different individuals at different periods of the same area. The percentage of lambs counted on December 22 were found to be 26.8, while the previous count was 27.9.

Canada Lynx - Tracks of the Canada Lynx were observed near the head of Coyote Creek just outside the park boundary.

Elk - On December 7 and 8 rain fell over all of the northern elk range and a heavy crust was formed on the snow. A cold period followed the rain storms and for about ten days much of the ranch was unavailable causing the elk to forage on bare southern exposures and windblown ridges. After the cold wave subsided the crust disappeared at higher elevations and at lower altitudes the snow was not deep enough to restrict grazing.

No heavy migration to open hunting territory occurred but small bands crossed the park line in the Crevice area and along the Yellowstone River above Gardiner. The heaviest migrations occurred below Gardiner where the elk cross the Yellowstone River in the vicinity of the old slaughterhouse and drifted toward Trail and Eagle Creeks.

Elk Hunting Season - The elk season in Idaho closed on December 1 with 150 animals being taken on the areas adjacent to the Bechler River District, with this exception, the only hunting territory open in December was in Park County, Montana north of Yellowstone Park, where 728 elk had been taken at the close of the month, as compared with 2,805 in 1937. Indications at the end of the month were that an increase in number of elk would be taken in January, and it is expected that a considerable reduction will be made from the northern herd by February 1.

4[illegible] - Mammals Service

The duties in the Naturalist Department during the month of December consisted of preparation of reports, handling of routine correspondence and other routine duties, filing of newspaper clippings, research on Pine Canon, and several field trips to study mountain sheep and trumpeter cows.

4[illegible] - Animals

Bighorns - These animals were observed on their usual winter range during the month and particularly good shows were observed in the Cardiac Canyon by winter visitors. Observation of bighorns were also made in the vicinity of the Roadway, Junction Butte and outside the north boundary of the park near Bear Creek. The rutting season was in full progress and rams were often seen fighting.

In the Mount Everts area,

On December 22 there were 78 bighorns counted, 47 of which were classified as follows: Rams - 19, ewes - 30, lambs - 15. Earlier in the month 36 bighorns were counted in this same area, including 1[illegible] rams, 4[illegible] ewes, and 2[illegible] lambs. It is interesting to compare the percentage of lambs as indicated by these two counts made by different individuals at different periods of the same area. The percentage of lambs counted on December 22 were found to be 2[illegible].[illegible], while the previous count was 27.0.

Canada Lynx - Tracks of the Canada lynx were observed near the head of Coyote Creek just outside the park boundary.

Elk - On December 7 and 8 rain fell over all of the northern elk range and a heavy crust was formed on the snow. A cold period followed the rain storms and for about ten days much of the reach was unavailable causing the elk to forage on both southern exposures and sheltered ridges. After the cold wave subsided the crust disappeared at higher elevations and at lower altitudes the snow was not deep enough to restrict grazing.

No heavy migration to open hunting territory occurred but small bands crossed the park line in the Gravice area and along the Yellowstone River above Cardiac. The consistent migrations occurred below Cardiac where the elk cross the Yellowstone River in the vicinity of the old slaughterhouse and drifted toward Trail and Eagle Creeks.

Elk Hunting Season - The elk season in Idaho closed on December 1 with 150 animals being taken on the areas adjacent to the Teshler River District, with this exception, the only hunting territory open in December was in Park County, Montana North of Yellowstone Park, where 725 elk had been taken at the close of the month, as compared with 2,[illegible] in 1937. Indications at the end of the month were that an increase in number of elk would be taken in January, and it is expected that a considerable reduction will be made from the northern herd by February 1.

Comparative hunting kills on areas near the park through December 31 were as follows:

	Bear	Bighorn	Deer	Elk	Moose
1938-39	28	26	344	1,660	26
1937-38	44	6	208	3,167	12

The use of a ranger patrol car on the Gallatin road seems to have prevented all poaching in that area. The rangers at West Yellowstone are making two daily patrols, one in the morning and another at sundown, thus covering that part of the Gallatin area in the park four times each day.

Elk Reduction - By the end of the month requests for 235 live elk had been received but approval for only 185 of this number had been secured. Deposits to cover costs of trapping and loading had been made on only 10 elk. However, it is expected that the remaining requests will be cleared in a short time and the trapping operations may be undertaken early in January.

480 - Phenomena

Mammoth Hot Springs Area

During the month of December there has been a noticeable decrease in the volume of water flowing from practically all of the springs. The 56 graduated iron pegs that were placed last month show interesting characteristics of deposition of travertine. The greatest amount of deposition during the month was noted at Blue Spring. It is planned to note the greatest amount of deposition each month and summarize the findings in a more extensive report in the spring.

Palette Terrace - The runoff is evenly divided at this time between the east and west side of Devils Thumb. Part of the formation that was covered with water at the time of the last report is now dry. The greatest amount of deposition of travertine noted was 9/16 of an inch. The water flows in a very thin film from this spring covering a considerable area and it is noted in all cases where the water flows in concentrated channels in fairly large volumes the amount of deposition is always greatest.

Cleopatra Terrace - The total runoff here is approximately the same as last month. One vent which was most active last month is now dry and a new vent, a short distance to the south, is supplying most of the water.

Minerva Terrace - At the present time water is flowing from this terrace in only one spot, freezing a short distance below the vent. The iron pegs which were placed here last month now stand in ice.

Comparative hunting kills on areas near the park through December 31 were as follows:

	Deer	Bighorn	Deer	Elk	Horse
1936-37	18	26	344	1,660	25
1937-38	44	6	309	3,157	12

The use of a ranger patrol car on the Gallatin road seems to have prevented all poaching in that area. The rangers at West Yellowstone are making two daily patrols, and in the morning and another at Madison, thus covering that part of the Gallatin area in the park four times each day.

Elk Reduction - By the end of the month requests for 295 live elk had been received but approval for only 185 of this number had been secured. Deposits to cover costs of trapping and loading had been made on only 10 elk. However, it is expected that the remaining requests will be cleared in a short time and the trapping operations may be undertaken early in January.

400 - Phenomena

Mammoth Hot Springs Area

During the month of December there has been a noticeable decrease in the volume of water flowing from practically all of the springs. The 36 graduated iron pegs that were placed last month show interesting characteristics of deposition of travertine. The greatest amount of deposition during the month was noted at Elm Spring. It is planned to note the greatest amount of deposition each month and summarize the findings in a more extensive report in the spring.

Palette Terrace - The runoff is evenly divided at this time between the east and west side of Devils Thumb. Part of the formation that was covered with water at the time of the last report is now dry. The greatest amount of deposition of travertine noted was 9/16 of an inch. The water flows in a very thin film from this spring covering a considerable area and it is noted in all cases where the water flows in concentrated channels in fairly large volumes the amount of deposition is always greatest.

Cleopatra Terrace - The total runoff here is approximately the same as last month. The vent which was most active last month is now dry and a new vent, a short distance to the south, is supplying most of the water.

Minerva Terrace - At the present time water is flowing from this terrace in only one spot, freezing a short distance below the vent. The iron pegs which were placed here last month now stand in ice.

New Spring - All of the water freezes within 30 feet of the vent and the amount is not more than one-half of last month's flow. The small mound to the north on the edge of Main Terrace has again become quite active and is one of the beauty spots on Main Terrace at the present time.

Mound Spring - Remains the most stable of all the springs and no change can be observed during the month.

Blue Spring - The decline in activity is more noticeable here than at any time since September. The basins to the north which were observed to be completely filled at the time the observations were taken last month are now totally dry. The estimated total runoff is not more than one-third of what it was last month. One of the peculiarities of the spring is the change in color due to the progressive development of the deep green algae with low temperatures. This is particularly noticeable in Blue Spring. Deposition of travertine is more rapid at this spring than at any other.

Cupid Spring - The amount of formation covered and the quantity of water have both decreased. However, this is one of the beauty spots in spite of its small size.

Baby Spring - Shows no change.

Orange Spring Mound - Shows a slight increase in activity. One small new vent has been added during the month.

Opal Spring - Is one of the most constant and beautiful springs. It ranks with Naiad and Mound Springs as being the most constant.

Angel Terrace - Three vents are active on this formation. The greatest amount of deposition for the month was 5/16 of an inch. There is no noticeable change since the last observations.

Gas Vents - No birds were observed to have been killed in any of the gas vents that claimed hundreds of small birds weekly.

Poison Cave - Due to the fact that snow has partially sealed this cave the gas is even heavier and more deadly than ever. A few mice have been killed by approaching too close to the Cave.

490 - Miscellaneous

Ranch Operations - Sixty-one horses at the Buffalo Ranch grazed on the open range until December 12, when supplementary feeding of hay was started. Hay fed to horses during the month totalled 15 tons. Four additional horses were taken to the ranch on December 21, making a total of 65 animals in the herd at the end of December.

500 - Use of Park Facilities by the Public

Bear Spring - All of the water frozen within 30 feet of the vent and the amount is not more than one-half of last month's flow. The small mound to the north on the edge of Main Terrace has again become quite active and is one of the beauty spots on Main Terrace at the present time.

Mound Spring - Remains the most stable of all the springs and no change can be observed during the month.

Blue Spring - The decline in activity is more noticeable here than at any time since September. The basins to the north which were observed to be completely filled at the time the observations were taken last month are now totally dry. The estimated total runoff is not more than one-third of what it was last month. One of the peculiarities of the spring is the change in color due to the progressive development of the deep green algae with low temperatures. This is particularly noticeable in Blue Spring. Deposition of travertine is more rapid at this spring than at any other.

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500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

An increase in automobile travel of 52.7% over the same travel period for 1937 was shown from roads maintained at the North Entrance checking station. A considerable increase in travel during December, as compared to December 1937 was shown, 354 persons having entered the park this month as compared with 142 for the same period last year. A complete summary of the travel for the month will be found at the back of this report.

600 - Protection

610 - Police Protection

No arrests were made for law violations in the park in December.

620 - Fire Protection

No forest fires occurred within the boundaries of Yellowstone Park during the month.

A new fire truck for building fire protection was delivered in December and tests were made jointly by representatives of the National Park Service and the General Fire Truck Corporation of Detroit, Michigan. Tests showed that the equipment did not fully meet the specifications and the truck was stored at the park headquarters, pending the possibility of further tests and acceptance or rejection of the equipment.

630 - Accidents

Three automobile accidents, in which five automobiles were involved, occurred this month. A CCC truck was involved in each accident; separate complete reports are being submitted in regard to each of these accidents which are listed briefly below:

December 13 — Herbert R. Farrow, CCC enrollee from Camp YNP 1, driving a Dodge CCC Truck No. 86769; and Robert Ryan of Cooke City, Montana, driving a Ford V8 Truck, Montana license No. 49-1631.

December 21 — Conrad Hopp, CCC enrollee from Camp YNP 7, driving a Dodge CCC Truck No. 861163.

December 30 — Floyd Rudder, CCC enrollee from Tower Falls spike camp, driving Ford CCC Truck No. 86775; and David Pierson, government employee stationed at the Buffalo Ranch, driving personal Ford Coupe, Montana license No. 49-2412.

900 - Miscellaneous

Post Office - There was a slight increase in the receipts this December over December, 1937; also a slight increase shown this quarter

510 - Increase or Decrease in Travel

An increase in automobile travel of 22.7% over the same travel period for 1937 was shown from roads maintained at the North Entrance checking station. A considerable increase in travel during December, as compared to December 1937 was shown, 35% persons having entered the park this month as compared with 142 for the same period last year. A complete summary of the travel for the month will be found at the back of this report.

600 - Protection

610 - Police Protection

No arrests were made for law violations in the park in December.

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900 - Miscellaneous

Post Office - There was a slight increase in the receipts this December over December, 1937; also a slight increase shown this quarter

Group of Bighorns on Rocky Butte along
Lamar River

Testing new fire truck on Gardiner River
below Mammoth

Testing New Fire Truck at Obsidian
Creek Bridge

New Boundary Sign Erected in December
1938 near Northern Pacific Railway
Depot on Gardiner-Reese Creek Road

over the corresponding quarter of last year. However, there was about a 2% decrease in the receipts for the year of 1938 as compared with the year of 1937.

Two clerks were employed temporarily in the Post Office during the Christmas rush season.

Church Services - Protestant services were held in the chapel at Mammoth on Christmas night, December 25, by Rev. Lewis D. Smith of Livingston.

Hospital and Medical - There were 50 home and 100 office calls reported for the month of December.

C.C.C. - During the month the strength of the CCC companies in Yellowstone Park were materially reduced due to CCC boys going home on account of termination of enrollments. On December 18 fifty-three men from Camp YNP #1 and 36 men from YNP #7 left for their homes. The company strength of each camp at the close of the month was 126 and 137 respectively.

During the first half of December splendid progress was made on all CCC jobs. Progress was retarded during the latter part of the month due to the above explained reduction in Company strength and due to a large number of the remaining enrollees availing themselves of the approved Christmas leave.

Several of the supervisory personnel were on annual leave during the month as this seemed a good time for them to use their annual leave since the Company strength was so reduced.

The spike camp at Tower Falls is still in place, although plans are being made to move this camp to the Buffalo Ranch in the very near future. The metal fire tool cache building at Tower was completed with the exception of painting, which cannot be accomplished until spring.

There are now 6 completed cottages on Job 412 and the 7th will soon be ready for occupancy.

No time was lost during the month due to inclement weather.

One accident at Camp YNP #1 occurred this month which caused the loss of one man-day although the truck which was involved represents a complete loss.

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On December 3 representatives of the U. S. Forest Service showed to a group of rangers and other park employees motion pictures of the one lick method of forest firefighting. These pictures were shown in the messhouse in the barracks building.

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Hospital and Medical - There were 50 home and 100 office calls reported for the month of December.

C.C.C. - During the month the strength of the CCC companies in Yellowstone Park were materially reduced due to 600 boys going home on account of termination of enrollments. On December 18 fifty-three men from Camp YNP #1 and 36 men from YNP #7 left for their homes. The company strength of each camp at the close of the month was 126 and 137 respectively.

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Several of the supervisory personnel were on annual leave during the month as this seemed a good time for them to use their annual leave since the Company strength was so reduced.

The spike camp at Tower Falls is still in place, although plans are being made to move this camp to the Buffalo Ranch in the very near future. The metal fire tool sacks building at Tower was completed with the exception of painting, which cannot be accomplished until spring.

There are now 4 completed cottages on Job 419 and the 7th will soon be ready for occupancy.

No time was lost during the month due to inclement weather.

One accident at Camp YNP #1 occurred this month which caused the loss of one man-day although the truck which was involved represents a complete loss.

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On December 3 representatives of the U. S. Forest Service showed to a group of rangers and other park employees motion pictures of the one link method of forest firefighting. These pictures were shown in the meshouse in the Barracks building.

The regular monthly meeting of the Federal Employees Union was held in the Canteen building on December 5. Following the meeting Park Naturalist Bauer and Assistant Park Naturalist Oberhansley showed movies and slides for the entertainment of the members and guests.

A 7½-lb. baby girl was born to Mr. and Mrs. Rufus Cramer at the Park Hospital in Livingston on December 6. Mr. Cramer is employed as a mechanic with the National Park Service here.

At the beginning of the services in the Chapel on Christmas night a new bible for the Chapel was presented by Rev. Lewis D. Smith in behalf of Marguerite Lindsley Arnold in memory of her father and mother, Mr. and Mrs. Chester A. Lindsley. Mr. Lindsley was clerk, assistant superintendent, and postmaster in the park for 40 years and died in Livingston on November 24. Mrs. Lindsley died in Livingston on October 9. The old Bible which had been in use in the Chapel was turned over to Dr. Bauer to be placed in the Yellowstone Park Museum and the new Bible was accepted by Dr. Bauer on behalf of the National Park Service.

J. W. Emmert,
Acting Superintendent.

VC

10-157
(July, 1929)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone National Park for the month of December

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
PRIVATE TRANSPORTATION:						
Cars first entry, ...	52	1832	19	994	838	84.3
Cars reentry, ...	93	998	43	838	160	19.0
Motorcycles, ...						
Total motor vehicles, ...	145	2830	62	1832	998	54.4
Persons entering via motor vehicles, ...	354	7957	142	5208	2749	52.7
Persons entering via other private transportation, ...						
Total persons entering via private transportation, . . .	354	7957	142	5208	2749	52.7
OTHER TRANSPORTATION:						
Persons entering via stages, .						
Persons entering via trains, .						
Persons entering otherwise, . .						
Total other transportation, .						
GRAND TOTAL ALL VISITORS, . . .	354	7957	142	5208	2749	52.7

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month, ...				
Campers in public camps during month, ...				

0-157
(July, 1929)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

Collections National Park for the month of Tuesday

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
PRIVATE TRANSPORTATION						
Cars first entry	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cars reentry	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motorcycles						
Total motor vehicles	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Persons entering via motor vehicles	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Persons entering via other private transportation						
Total persons entering via private transportation	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OTHER TRANSPORTATION						
Persons entering via stages						
Persons entering via trains						
Persons entering otherwise						
Total other transportation						
GRAND TOTAL ALL VISITORS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	This Year	Last Year	Increase Number	Increase Percent
Automobiles in public camps during month				
Campers in public camps during month				

Yellowstone Park, Wyoming
December 3, 1938

MEMORANDUM:

The following report of activities under the supervision of Engineering for the month of November is submitted:

No. 170 - Maps, Plans, and Surveys:

Field work consisted of completion of surveys for Public Works projects at West Thumb and Lake - Fishing Bridge areas and construction engineering for these projects. The topographic survey of about 200 acres in the Bridge Bay area was also completed. Topographic data in the West Thumb and Lake - Fishing Bridge areas was plotted.

Engineering on C.C.C. projects consisted of running alignment on the south end of the Mammoth Campground Road and setting slope stakes.

No. 200 - Road Maintenance:

The crew setting snow stakes and fences finished this work and the crew repairing the slides on the Mammoth - Gardiner road worked all month completing the job. The snow plow opened the road to Thumb twice during the month to permit travel to the P.W.A. projects at Lake and Thumb, and on the last of the month the plow opened the road from Mammoth to West Yellowstone to the Gallatin Ranger Station in order to move the ranger to Mammoth. Roads are now open from Mammoth to West Thumb and to West Yellowstone.

No. 230 - New Construction:

Work on ERA projects progressed satisfactorily during the month. These projects include: Cleaning and painting the chapel and museum buildings, repairs to barracks building; work on sign program, including cutting and hauling timber for signs and work in sign shop; excavation of basement under personnel quarters, hauling sand from Tower Falls and gravel from Gardiner for the various projects, and work on the Yellowstone River and the Gardiner River - Golden Gate trails.

Project O.P. 266:

Work was continued on the West Thumb and Lake - Fishing Bridge water systems started last month.

At Lake the work was largely confined to prospecting for water along the lake shore. Three holes varying from 60 to 100 feet in depth were drilled in addition to the original dug well. No appreciable amount of water was found in any of the holes.

At Thumb the excavation for the new 50,000 gallon reservoir was completed and all the concrete poured. The concrete slab roof for the existing reservoir was also completed. Work on the well at Thumb was suspended for the winter early in the month.

Sand and gravel were hauled and piled for use next summer at both locations.

Project 584:

Work on the Lookout Point observation platform and Canyon trails was suspended for the winter on November 8. Practically all necessary construction material had been hauled to the site preparatory to starting work as soon as the weather opens up in the spring.

Contract Construction:

The only road project active during the month was that on the East Entrance approach road on which satisfactory progress was made.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park. Month of December, 1938

	This Year	Last Year
Park revenue on hand beginning of month	-	-
Received	$ 26,840.35	$ 23,282.65
Total	26,840.35	23,282.65
Remitted	26,840.35	23,282.65
On hand close of month	-	-
Park revenues received this year to date	$319,139.07	
Park revenues received last year to date	365,504.26	
~~Increase~~ Decrease	$ 46,365.19	
Percent of ~~increase~~ Decrease	12.7%	

U. S. GOVERNMENT PRINTING OFFICE 6—9393

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park. Month of December, 193[illegible]

	THIS YEAR	LAST YEAR
Park revenue on hand beginning of month	—	—
Received	$ 26,[illegible]	$ 23,[illegible]
Total	26,[illegible]	23,[illegible]
Remitted	26,[illegible]	23,[illegible]
On hand close of month	—	—
Park revenues received this year to date	$[illegible]	
Park revenues received last year to date	[illegible]	
Increase	$ [illegible]	
Percent of increase	[illegible]	

U. S. GOVERNMENT PRINTING OFFICE 6—9393

10-159
May 1931)
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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of December, 1938

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
umber of employees beginning of month	Reg. 90 CCC 18	46	Reg. 89 CCC 20	3
umber of additions	Reg. 1 CCC 0	3	Reg. 0 CCC 0	8
Total	Reg. 91 CCC 18	49	109	11
umber of separations	Reg. 1 CCC 0	31	Reg. 2	3
umber of employees close of month	Reg. 90 CCC 18	18	Reg. 87 CCC 20	8
umber of promotions during month	1		0	
ggregate amount of annual leave taken	Reg. 280-27/32** CCC 74-1/8	308-2/8	Reg. 277-1/8 CCC 62-1/8	
ggregate amount of sick leave taken	Reg. 37-1/8 * CCC 17-1/8	6	Reg. 39-1/8 CCC 15	
ggregate amount of leave without pay	31	0	0	

*Change in Status.
* Includes 6½ days in November.
** Includes 21 days in November.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of December, 1931

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	Reg. 90 CCC 13	46	Reg. 93 CCC 20	7
Number of additions	Reg. 1 CCC 0	3	Reg. 0 CCC 0	8
Total	Reg. 91 CCC 13	46	200	11
Number of separations	Reg. 1 CCC 0	31	Reg. 2	3
Number of employees close of month	Reg. 90 CCC 13	18	Reg. 97 CCC 20	8
Number of promotions during month	1		0	
Aggregate amount of annual leave taken	Reg. 280-27/32 = CCC 74-4/8	302-2/8	Reg. 277-1/8 CCC 66-4/8	
Aggregate amount of sick leave taken	Reg. 37-4/8 = CCC 17-4/8	6	Reg. 39-4/8 CCC 16	
Aggregate amount of leave without pay	31	0	0	

Change in Status.
Includes 4½ days in November.
Includes 21 days in November.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

ELECTRICITY GENERATED, SOLD, USED, ETC.*

Yellowstone National Park for the Month of December, 1938

	THIS MONTH	THIS TRAVEL YEAR TO DATE	THIS MONTH LAST YEAR	LAST TRAVEL YEAR TO DATE	INCREASE FOR TRAVEL YEAR	
					NUMBER	PERCENT
urrent generated	114,700	671,200	106,600	586,800	84,400	14.38
old to park operators	826	60,287	3,131	61,659	-1,372	- 2.2
old to others						
Sold ~~urnished~~ to other governmental agencies	1,015	5,527	-	-	5,527	-
Used by National Park Service, lost in transit, etc	112,859	605,386	103,469	525,141	80,245	15.28
Total current generated	114,700	671,200	106,600	586,800	84,400	14.38

Amount receivable from the sale of electricity, to Operators . . . . . (1938) $ 51.55
(1937 . . $ 87.39

*Indicated by kw.-hr.

U. S. GOVERNMENT PRINTING OFFICE 6—9244

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

ELECTRICITY GENERATED, SOLD, USED, ETC.*

Yellowstone National Park for the Month of December, 1938

	THIS MONTH	THIS TRAVEL YEAR TO DATE	THIS MONTH LAST YEAR	LAST TRAVEL YEAR TO DATE	INCREASE FOR TRAVEL YEAR	
					NUMBER	PERCENT
urrent generated	114,700	671,200	106,600	586,300	84,400	14.38
ld to park operators	826	80,867	1,131	61,639	-1,372	- 2.2
ld to others						
ld						
arnished to other governmental agencies	1,015	5,527	-	-	5,527	-
sed by National Park Service, lost in transit, etc.	112,859	605,306	109,469	525,141	80,245	15.28
Total current generated	114,700	671,200	106,600	586,300	84,400	14.38

mount receivable from the sale of electricity, to Operators (1938) $ 31.35
(1937) $ 27.35

*Indicated by kw.-hr.

U. S. GOVERNMENT PRINTING OFFICE 6—0244

10-162

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yellowstone National Park for the Month of December, 1938

	This Month	This Month Last Year	Increase	Percent Increase
LOCAL BUSINESS				
Miles of circuit maintained, Mammoth excluded	462	604	- 142	- 23.5
No. of telephones connected,	270	275	- 5	- 1.8
No. of measured service calls,				
No. of other local calls,				
Total No. of local calls,				
Peak load in calls per day,				
Receipts from measured service calls,				
" " coin boxes,				
" " telephone rental,				
TOTAL RECEIPTS				
LONG DISTANCE BUSINESS				
No. Outbound calls,				
No. Inbound calls,				
TOTAL LONG DISTANCE CALLS				
Peak load in calls per day,				
Receipts from Long Distance business,				
TELEGRAPH BUSINESS				
Messages via Western Union,				
Messages via				
TOTAL MESSAGES				
Receipts from telegraph business,				
No. of money transfer messages,				
" " " " receipts,				
TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPTS-				

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yellowstone National Park for the Month of December, 1932

	This Month	This Month Last Year	Increase	Percent Increase
LOCAL BUSINESS				
Miles of circuit maintained,	[illegible]	[illegible]	- [illegible]	- [illegible]
No. of telephones connected,	[illegible]	[illegible]	- 5	- [illegible]
No. of measured service calls,				
No. of other local calls,				
Total No. of local calls,				
Peak load in calls per day,				
Receipts from measured service calls,				
" " " boxes,				
" " " telephone rental,				
TOTAL RECEIPTS				
LONG DISTANCE BUSINESS				
No. Outbound calls,				
No. Inbound calls,				
TOTAL LONG DISTANCE CALLS				
Peak load in calls per day				
Receipts from Long Distance business,				
TELEGRAPH BUSINESS				
Messages via Western Union,				
Messages via				
TOTAL MESSAGES				
Receipts from telegraph business,				
No. of money transfer messages,				
" " " receipts,				
TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPTS-				

10-313

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Monthly Report of
Minor Roads and Trails Projects

Yellowstone National Park
(Area)

As of December 31, 1938
(Date)

Total Mileage for Area:
Minor Roads ..... Miles
Trails ..... Miles

Proj. No.	Description of Project	Type of Work	Mileage of Proj.	% Complete	Appropriation Symbol	Amount Allotted	Amount Expended	Remarks
	No Minor Roads and Trails projects active.							

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Yellowstone National Park,
Yellowstone Park, Wyoming.

December 9, 1938

CIRCULAR NO. 25

Instructions have just been received from the Washington Office outlining a new policy of the Service in connection with the issuance of travel orders. In order to comply with these new instructions, the following changes have been made:

Effective December 1, 1938, all official meals in the park at Government messes will be discontinued. (This will rescind Circular No. 20, dated October 21, 1938) In lieu thereof each employee in a travel status outside his official headquarters but within the boundaries of Yellowstone National Park will be paid a per diem travel allowance covering only actual expenses but not to exceed $2.00 per day except in special cases where a higher per diem is authorized. From these rates, of course, one-fifth (1/5) will be deducted from each day's per diem in which government quarters are occupied. In order that actual expenses can be held to a minimum, all meals and lodging must be taken at government-operated facilities where possible. Each employee in submitting his travel statement for the month will be required to list all meals and quarters chargeable to official travel and where taken, as they have in the past. All meals taken by any employees at any of the park messes will be deducted from the employee's salary for the month in which the meals were taken. Travel expense vouchers for travel within the park and also for travel within the immediate vicinity of the park will be paid by travel expense vouchers once each month upon receipt from the employee of a properly prepared travel statement, which will include all of that month's travel. This travel statement must bear the approval by signature of the traveler's department head.

In this connection instructions from the Director's Office state that hereafter prior approval must be obtained for any general travel orders issued. It has been the practice at Yellowstone to issue at the beginning of each fiscal year to all employees who will be in a travel status during that fiscal year a travel order covering such travel within and in the immediate vicinity of Yellowstone National Park. We believe that we will be able to continue this arrangement so that it will not be necessary for an employee to obtain a travel order each time before travel into the park or within the immediate vicinities of its boundaries is performed. However, the authority of such travel orders will be restricted in each case to the nearest town or city from the various park approach roads - that is, Bozeman, Montana; Livingston, Montana; Red Lodge, Montana; Cody, Wyoming; Jackson, Wyoming; and Ashton, Idaho. When an employee is traveling beyond these points, which are considered within the immediate vicinity of Yellowstone National Park, it will be necessary that a separate travel order be issued for each individual trip which must be approved by the department head and the travel order issued prior to the employee's beginning a trip. Travel orders cannot be back dated and any unauthorized travel or travel either within or without the park boundaries which is performed without a travel order being written

in advance cannot be allowed. There can be no exceptions made to this regulation. The burden of responsibility shall rest with each employee to be certain that the proper travel authority has been issued and approved before any travel is performed.

Travel vouchers covering an employee's travel within and in the immediate vicinity of Yellowstone National Park, as defined above, will be prepared only once each month and will cover the entire month's routine travel. All other travel beyond these points must be covered by a separate travel order and will be paid for upon the completion of each trip. In this connection it should be noted that when two different per diem allowances are involved in any one trip the lowest is always paid during the period in which the change in rate occurs.

For each special trip that an employee makes a memorandum over the department head's signature should be written to the Chief Clerk's Office, which memorandum will furnish the information necessary to issue the travel order. A copy of this form is attached on which this information can be readily itemized. A supply has been distributed to the various department heads.

Day Defined: In computing the per diem in lieu of subsistence for continuous travel of more than 24 hours the calendar day (midnight to midnight) will be the unit, and for fractional parts of a day at the commencement or ending of such continuous travel, constituting a travel period, one-fourth of the rate for a calendar day will be allowed for each period of six hours or fraction thereof. For continuous travel of less than 24 hours, constituting a travel period, such period will be regarded as commencing with the beginning of the travel and ending with the completion thereof, and for each six-hour portion of the period or fraction thereof one-fourth of the rate for a calendar day will be allowed: Provided, That no per diem will be allowed when the departure is after 8 a.m., and the return on the same day is prior to 6 p.m., or for any absence not exceeding three hours.

The following may administer oaths without expense to the traveler:

Postmaster
Assistant Postmaster
Chief Clerk
Superintendent
Acting Superintendent
Principal Clerk

For additional information call the Chief Clerk's Office, phone 45.

J. W. Emmert,
Acting Superintendent.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Yellowstone National Park,
Yellowstone Park, Wyoming.

_____, 193

Memorandum for the Chief Clerk:

It is requested that a travel order be prepared authorizing the official named below to travel to and from the points indicated in accordance with the justification submitted herewith:

Name	Title	Official Headquarters

Proposed itinerary: (Indicate approximate dates.)

Official purpose and necessity for travel:

Names and titles of other officials making trip:

Proposed method of travel: (Common carrier, Government car, personal car)

Is Government car available?

If so, justification for other means of travel:

(over)

Justification for use of personal car: (A distinct advantage must accrue to the Service to justify such use. Convenience to the traveler cannot be considered and a statement showing the cost and travel time compared with common carrier must be submitted.)

Dates of annual leave, if any, proposed during this travel:

Rate of per diem in lieu of subsistence: $_____

Total estimated cost of trip $_____ (including gasoline, per diem allowances, transportation requests and all other costs except salary)

Account chargeable: _____

_____
(Department Head)

Approved:

Chief Clerk.

NOTE: One copy only required. If sufficient space is not available on this form, use additional sheets of paper and attach them to it.

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

December 14, 1938

CIRCULAR NO. 26:

Article No. 1 of the General Rules and Regulations for the government of National Parks prohibits the "destruction, injury, defacement, removal or disturbance" of trees within national parks or monuments.

This provision applies to the cutting of Christmas trees.

J. W. Emmert
Acting Superintendent

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

December 12, 1938

Memorandum for Residents of Mammoth:

Arrangements are being made for the holiday decorations and activities. Mrs. Enid Wilcox has been asked to serve as Chairman of the General Committee, and assisting her on this committee are Mesdames Joffe, Yetter and Larsen, and Messrs. Elliott, Seasholtz, Blackburn, Robinson and Bill Wright. The following arrangements have been made and committees appointed, and it is hoped that all members of the community will join in making this an outstanding holiday season.

Several community decorations have been planned, and it is urged that all residents supplement these by decorating the exterior of their homes. On New Year's Day at the dinner after the Mummer's Parade prizes will be given for the two best exterior decorations.

The activities for the holiday season will consist of a Christmas program at the Canteen and carol singing on Christmas Eve, church services at the Chapel on Christmas Night, a dance sponsored by the Federal Employees' Union on Wednesday, December 28, the Mummer's Parade on New Year's Day followed by New Year's dinner at the Government mess. All persons desiring to have dinner at the mess at that time should advise Keith Neilson, Chairman of the Mummer's Dinner Committee, on or before December 29.

The various committees which have been selected for decorations and activities are as follows:

General Chairman: Mrs. Enid Wilcox

General Committee: Lloyd Seasholtz
Al Elliott
Bob Robinson
Chick Blackburn
Bill Wright
Mrs. Yetter
Mrs. Larson
Mrs. Joffe

Community Decorations: Mrs. Wilcox, Chairman
Roland Pray
George Walker
Lloyd Seasholtz
Joe Way
Mrs. Peyton

Lighting: Lloyd Seasholtz
E. A. Allan
F. E. Book
Charles Rector
George McMullin
Ralph Beaver

Construction of Decorative Figures: Mrs. E. A. Allan, Chairman

Mrs. Ebert
Mrs. Welch
Mrs. Evans
Mrs. Holman
Mrs. Boyla nee
Mrs. Wiggins
Mrs. Seasholtz
Mrs. Charles Wright
Mrs. Wm. Wright
Mrs. George Walker
Mrs. Kocher
Mrs. T. Thompson
Mrs. Newbury
Mrs. Bud Trischman
Mrs. Robinson

HOLIDAY ACTIVITIES

December 13 -- Tuesday afternoon at 1 o'clock. Making Christmas wreathes and decorations at the Canteen for everyone interested, for home use. Boughs and greens will be available from an ERA project for the removal of fallen trees on the Terraces. Heavy iron wire for wreath bases will also be furnished. Wire or cord for weaving and tying must be furnished by individuals concerned.

December 14 -- Wednesday afternoon at 1 o'clock - Decoration of Canteen for school program.

Decorating Committee: Mrs. Larsen and Mrs. Yetter, in charge.

Mrs. Reeve
Mrs. Scholes
Mrs. Sheridan
Mrs. Watson
Agnes Rasmussen
Mrs. Abbie
Mrs. Emert
Mrs. Fillmore
Mrs. Wm. Wright
Mrs. Quinn
Mrs. Evans
Mrs. Wilcox
Mrs. Ujelm
Mrs. Mitchell

December 16 -- Mammoth school children's Christmas program at 7:30 P.M.

December 24 -- Christmas Eve - Program and Community Christmas tree at the Canteen at 6:30 P.M.
This program is for the entire community and everyone is invited to attend. A special Christmas program is being prepared for this event.

A candlelight chorus of CCC enrollees directed by Mrs. Emmert and Mrs. Muchow will be a part of this program.

Committee for Christmas Tree Decoration: Bill Wright, Chairman

Boyd Larson	Miss White
Mrs. Reynolds	Mrs. Bullock
Roy Beatty	Mrs. Gammill
Mrs. Lucas	Mrs. Hjelm

The community program at the Canteen will be followed by carol singing. Transportation will be furnished for the carollers. Ladd Shorey has consented to act as chairman of the committee to organize and handle the carol singing.

Refreshments for the carol singers will be provided at the Canteen after they return from singing.

Refreshment Committee for Carol Singers: Mrs. Roger Wolcott, Chairman

Boyd Larson	Mrs. Howard	Mrs. Bowman
Mr. Emmert	Mrs. Peyton	Wayne Alcorn
Glen Williams	Mrs. Moore	Dr. Fallis
Willis Welch	Mrs. Joffe	Carol Oberhansley
Eugene Schweitzer	Mrs. Book	Maryann Wilcox
Eunice Anthony	Kenneth Bowman	Al Bowman, Jr.

December 25 -- Christmas Night - Church Services at Mammoth Chapel

Church Decoration Committee: Mrs. Henry Peterson, Chairman

Mrs. Howard	Mrs. Roylance
Mrs. Robinson	

Altar Decorations: Mrs. Oberhansley

Persons desiring to donate flowers for decorating should notify Mrs. Peterson.

Calling Committee: Dr. and Mrs. Bauer, Chairmen

Mrs. Watson	Mrs. Bussey	Mrs. Grimm
Mrs. Lord	Mrs. Howard	Hugh Peyton
Mrs. Book		

Communion Committee: Mrs. Lord and Mrs. Joffe

Refreshments will be served at the Canteen after Church Services.

Refreshment Committee: Mrs. Holman, Chairman

Mrs. Bud Trischman	Agnes Wiggins	Mrs. Gilbert
Estolle Wilcox	Margaret Wade	Irene Witkauckas
Mildred Christenot	Mrs. McMullin	Mrs. Barrows
Mrs. Grant Anderson	Mrs. Somerville	Catharine Harris
Alice Harris	Mary Capes	Mrs. Evans
Mrs. Ebert	Mrs. Skinner	Mrs. Bussey
Mrs. Condon	Virginia Goettlich	

December 28 -- Dance at Canteen - 9:30 P.M. 50¢ per couple. EVERYONE INVITED!

January 1 -- New Year's Day - Mummer's Parade and Mummer's dinner at Government Mess.
Parade starts at Canteen at 11:30 A. M.
Dinner at 1:00 P. M.

Mummer's Parade Committee: Curtis and Ethel Skinner, Chairmen

Claude Anthony	Mrs. Peyton	Mrs. Saningson
Verdo Watson	Tut Thompson	George Walker
Maynard Barrows	Ray Smuin	Miss White
Jimmy Somerville		

Mummer's Dinner Committee: Keith Neilson, Chairman

Mrs. Lord	Mrs. Wiggins	Mrs. Williams
Mrs. Shorey	Harry Fiske	

Judges of Best Decorated residence exteriors: Joe Joffe, T. Paul Wilcox
Fred Bussey,
Mrs. Claude Moore
Mrs. Lloyd Seasholtz

Prize Committee: Hugh Peyton, Chairman

Rudolf Grimm	Dr. Fallis
Claude Anthony	Bill Wiggins
Mrs. Joffe	

J. W. Ernert
Acting Superintendent

Memorandum for ALL EMPLOYEES

Due to new accounting regulations it will no longer be possible to prepare payrolls twice monthly, and the mid-month checks just delivered will be the last you will receive. In other words, those who are on the mid-month payroll will receive a check for the remainder of December during the early part of January, 1939 but will not receive another check until after the first of February and once each month thereafter.

Furthermore, the new regulations make it impossible to start preparation of the end-of-the-month payrolls until after the first of each month when all completed meal sheets and time-slips are received in the office. This will delay the mailing of the payrolls to the disbursing office at Helena for three or four days. You should not, therefore, expect to receive your check before the 10th of each month.

J. W. Emmert
Acting Superintendent

4643

YELLOWSTONE NATIONAL PARK

WINTER VISITOR'S GUIDE

No. 1030—Met'l.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

MONTHLY METEOROLOGICAL SUMMARY

STATION YELLOWSTONE PARK, WYO. MONTH December 1938.

TEMPERATURE, °F.				RELATIVE HUMIDITY (Percentage)			PRECIPITATION		WIND			WEATHER		
Maximum	Minimum	Mean	Normal mean	A. M.*	Local noon	P. M.*	Total (inches)	Snowfall (inches), p. m. to p. m.* (unmelted)	Prevailing direction	Highest velocity	Direction	Percentage of possible sunshine	Character of day (a)	Date
36	23	30	24	76	60	65	T	T	SW	20	SW	22	Pt.Cldy	1
33	24	28	23	70	68	86	.03	0.5	S	30	SW	0	Cloudy	2
34	17	26	23	91	35	56	.07	1.1	W	26	SW	60	Pt.Cldy	3
32	17	24	23	66	84	78	.04	0.6	S	12	SW	0	Cloudy	4
43	27	35	22	68	35	52	.01	0.1	SW	24	SW	54	Pt.Cldy	5
33	23	28	22	83	62	58	T	T	SW	21	SW	1	Cloudy	6
39	26	32	21	73	63	78	.01	T	SW	21	SW	0	Cloudy	7
42	36	39	21	83	67	77	T	T	SW	22	SW	43	Pt.Cldy	8
41	28	34	21	72	65	66	.01	0	SW	20	S	32	Cloudy	9
28	11	20	20	66	72	72	T	0.1	W	14	W	0	Cloudy	10
20	0	10	20	78	60	61	T	T	S	9	S	74	Clear	11
19	-8	6	20	62	59	52	0	0	S	12	S	100	Clear	12
23	0	12	20	81	56	52	0	0	SW	12	SW	100	Clear	13
34	1	18	19	66	47	32	0	0	S	13	S	95	Clear	14
31	18	24	19	60	65	69	.01	T	S	18	S	17	Cloudy	15
29	11	20	19	86	57	54	T	0.2	S	17	SW	68	Pt.Cldy	16
32	16	24	19	79	62	70	0	0	SW	19	SW	98	Clear	17
33	16	24	19	70	55	60	0	0	S	14	SW	80	Cloudy	18
36	13	24	19	84	64	70	0	0	W	6	SW	82	Pt.Cldy	19
31	10	20	19	80	67	66	T	T	S	11	W	10	Cloudy	20
34	19	26	19	87	73	85	.07	0.1	SW	12	SW	32	Cloudy	21
29	10	20	18	86	56	60	0	1.0	SW	16	SW	83	Pt.Cldy	22
26	19	22	18	65	66	73	T	T	S	20	SW	10	Cloudy	23
36	25	30	18	74	58	69	T	T	S	24	SW	47	Pt.Cldy	24
29	-4	12	18	73	49	69	.17	1.9	SW	35	SW	31	Cloudy	25
14	-8	3	18	76	72	40	.04	0.4	W	12	SW	72	Pt.Cldy	26
25	11	18	18	62	67	76	.15	1.4	S	19	SW	0	Cloudy	27
31	22	26	18	96	64	69	.03	0.8	SW	21	SW	59	Cloudy	28
29	22	26	18	76	63	86	.02	0.1	SW	20	S	6	Cloudy	29
31	23	26	18	54	77	83	.02	0.4	SW	22	SW	10	Cloudy	30
32	28	30	18	77	66	65	T	0.2	SW	27	SW	0	Cloudy	31
31.1	15.4	23.2		75	62	66	0.68	8.9	SW	35	SW	41		
27.9	11.5	19.7		78	68	73	0.77	13.3	S			39		

*5:10 a. m. and p. m., 105th meridian time. T indicates a trace of precipitation. (a) Sunrise to sunset. (b) Total. (c) Monthly.

SUMMARY

BAROMETRIC PRESSURE

Monthly mean 30.23
Highest 30.71, date 13
Lowest 29.68, date 3

TEMPERATURE

Highest 43, date 5
Lowest -8, date 12
Extremes this month since 1904; highest 49, lowest -34
Average daily departure +3.4
Average daily departure since January 1, +1.1
Total degree days 1297

PRECIPITATION

Greatest amount in 24 hours .17, date 25
Departure from normal this month -0.09
Accumulated departure since Jan. 1st., +3.80
Snowfall, greatest 24-hour amount 2.3, date 25;
Snow on ground on 15th 0.6, and at end of month 1.8

WIND

Prevailing direction SW, average hourly velocity 9.0
Highest wind velocity this month since 1904
41 miles from SW, on 26, in 1937

WEATHER

Number of days clear 5, partly cloudy 9, cloudy 17 with measurable precipitation (0.01 inch, or more) 14

MISCELLANEOUS PHENOMENA—DATES OF

Hail 0
Halos, solar 18, 24; halos, lunar 0
Fog, light 0; fog, dense 0
Frost, light --, heavy --, killing† --
Sleet 0
Thunderstorms 0
Duststorms 0

†Frosts not recorded in autumn after first "killing", except in Florida and along the immediate coast of the Gulf of Mexico.

MEAN TEMPERATURE AND TOTAL PRECIPITATION THIS MONTH IN—

1871		83		95		07	21.6	19	15.4	31	21.5	1.14
1872		84		96		08	20.0	20	21.7	32	11.9	0.80
1873		85		97		09	12.4	21	21.2	33	28.6	1.38
1874		86		98		10	23.0	22	18.6	34	23.0	1.12
1875		87		99		11	15.8	23	17.0	35	22.2	0.22
1876		88		00		12	18.4	24	10.6	36	21.1	1.21
1877		89		01		13	21.0	25	25.7	37	22.5	1.34
1878		90		02		14	17.0	26	18.1	38	23.2	0.68
1879		91		03		15	19.6	27	11.6	39		
1880		92		04	22.7	16	12.2	28	19.6	40		
1881		93		05	18.8	17	27.2	29	26.0	41		
1882		94		06	28.5	18	20.6	30	18.6	0.27	42		

Charles L. Howard, Observer.

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